

REMARKS

Claims 21, 23-27, 29-30, 32 and 34-39 are pending in this application. Claims 21, 24-26, 34 and 36-39 have been allowed. By this Response, Applicant is amending claims 23, 29 and 35, and canceling claims 28 and 33. Accordingly, claims 21, 23-27, 29-30, 32 and 34-39 are at issue. Applicant respectfully submits no new matter was added by these amendments.

Applicant has amended claim 23 to add the word “unit” after “processor”.

Applicant has amended claim 29 to have a single ‘means’ for both “measuring” and “sequentially digitizing”. Applicant also removed an unnecessary comma left after the word “time” in the sixth line of the claim.

Applicant has amended claim 35 by changing “the current source” to “the processor”.

Applicant has canceled claims 28 and 33.

The Examiner objected to claim 27, however, the Final Office Action did not address why there was an objection. It is believed that claim 27 is allowable as is, therefore no amendments were made to this claim. Applicant encourages the Examiner to contact the Applicant’s Attorney listed below to correct any informalities that may be related to claim 27.

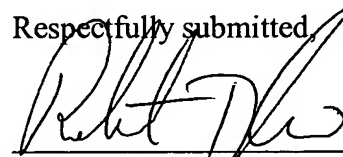
CONCLUSION

In light of the foregoing Amendments and Remarks, Applicant respectfully submits pending claims 21, 23-27, 29-30, 32 and 34-39 are in condition for allowance. The Examiner is invited to contact the undersigned if there are any questions concerning this Response.

The Commissioner is authorized to debit or credit Deposit Account No. 19-3875 for any payment **deficiencies or overpayments** associated with this matter.

Dated: November 11, 2005

Respectfully submitted,



Robert Toczycki
Registration No. 38,341
Attorney for Applicants

Square D Company
Schneider Electric
1415 S. Roselle Rd.
Palatine, IL 60067
Phone Contact: 847-925-3341 (or 3217)
Fax Contact: 847-925-7419